DOCUMENT RESUME

ED 076 781 VT 020 120

AUTHOR	McDonald, Carol
TITLE	State Research Coordinating Unit Activities for the Period January 1, 1972-June 30, 1972. Semiannual Report.
INSTITUTION	Office of Education (DHEW), Washington, D.C. Div. of Vocational and Technical Education.
PUB DATE	Feb 73
NOTE	76p.
EDRS PRICE	MF-$0.65 HC-$3.29
DESCRIPTORS	Coordination; Educational Research; Reports; *Research Coordinating Units; *Research Projects; *State Programs; *Vocational Education

ABSTRACT

This report summarizes research activities of the State Research Coordinating Units during the second half of the 1972 fiscal year and includes a final analysis of the entire fiscal year. The purpose of the report is to facilitate exchange of information and reduce duplication of effort among the states by providing awareness of the research and development activities by other states. This is the fifth in a series of compilations of State Quarterly Research Activity Reports. (MF)

FILMED FROM BEST AVAILABLE COPY

ED 076781

SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

JANUARY 1, 1972 - JUNE 30, 1972

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Caspar W. Weinberger, Secretary
S. P. Marland, Jr., Assistant Secretary for Education

Office of Education
John Ottina, Commissioner of Education - designate

Bureau of Adult, Vocational, and Technical Education
Robert M. Worthington, Associate Commissioner

Division of Vocational and Technical Education
Michael Russo, Acting Director

February 1973

VT020120

Civil Rights Compliance

Discrimination Prohibited - Title VI of the Civil Rights Act of 1964 states:

> "No person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance."

Therefore, any program or activity receiving financial assistance from the Department of Health, Education, and Welfare must be operated in compliance with this law.

ED 076781

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
OFFICE OF EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

JANUARY 1, 1972 - JUNE 30, 1972

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Caspar W. Weinberger, Secretary
S. P. Marland, Jr., Assistant Secretary for Education

Office of Education
John Ottina, Commissioner of Education - designate

Bureau of Adult, Vocational, and Technical Education
Robert M. Worthington, Associate Commissioner

Division of Vocational and Technical Education
Michael Russo, Acting Director

February 1973

FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of Part C of the Vocational Education Amendments of 1968. This report covers the second six months of Fiscal Year 1972. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

This semi-annual report has been prepared by Carol McDonald of the Program Development and Operations Branch of the Division of Vocational and Technical Education. This is the fifth in a series of reports on the activities of State RCU's. The first report was entitled Annual Report on State Research Coordinating Unit Activities for Fiscal Year 1970 (ED-053-293), and covered the period from July 1, 1969 to June 30, 1970. The second report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970 (ED-052-381). The third report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1971 to June 30, 1971 (ED-067-463). The fourth report was entitled Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1971 to December 31, 1971. Copies of these previous reports can be obtained from the ERIC Document Reproduction Service.

(ED 068 718)

Michael Russo
Acting Director
Division of Vocational
and Technical Education

February 1973

INTRODUCTION

For Fiscal Year 1972, the States received $9 million under Section 131(b) of Part C of the Vocational Education Amendments of 1968. These funds could be used for paying up to 75 percent of the costs of the State Research Coordinating Unit (RCU) and for grants and contracts covering 90 percent of the costs of research and/or developmental projects. The minimum amount received was $12,039 by Alaska and the maximum was $705,568 by California. About 62 percent of the States received more than $100,000 for research and development.

By the end of the Fiscal Year, more than half of the States reported the expenditure of 1972 funds for grants and contracts. Although a number of States continued to fund projects with carry-over monies from their 1971 allotments, the reduction in funds from the 1971 level had serious consequences for the number of projects funded. Approximately 38.5 percent of the $9 million was used to support the States' RCU's.

In carrying out their main function of administering the States' R&D programs, the RCU's have provided extensive consultant services to a variety of persons and agencies within the States; provided research findings to interested parties; and assisted the States in long range planning. They have also been instrumental in providing the States with information on States' vocational needs and in evaluating the States' efforts to meet those needs.

In Fiscal Year1972, reports reflected six research priorities. Career Education ranked high on the list with the States funding component projects, curriculum projects and evaluation projects among others relevant to the concept. The development of educational materials also received a great deal of attention. The States seemed particularly interested in the use of individualzied instruction units and multi-media materials. Other areas of research activity included followup studies, programs for the disadvantaged and handicapped, studies to determine manpower and training needs, and programs related to health occupations. In addition to these areas, the States have continued their interest in evaluating, expanding and improving their ongoing vocational programs.

The reports and the approved proposals received from the States by the U.S. Office of Education in Fiscal Year 1972 continued to indicate that the RCU's are providing leadership and guidance in the States' vocational research efforts. Through their dissemination, consultant, and funding activities, the RCU's have been serving increasing numbers of people in their States.

The Semiannual Report which follows is a compilation of State Quarterly Research Activity Reports covering the last two quarters of Fiscal Year 1972 which have been received from the States. Additional information on projects listed under the category of "new projects funded" may be located in the "Research Projects in Progress" section of Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), published quarterly by the ERIC Clearinghouse on Vocational and Technical Education. Final reports of the "projects completed" are abstracted in the monthly issues of Research in Education and/or in the quarterly issues of ARM.

A compilation of the activities reported for the first two quarters of Fiscal Year 1972 has been published as the Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1971 to December 31, 1971, and is available from the ERIC Document Reproduction Service. All reported research projects administered by the State educational agency were included in these reports, whether or not they were funded under Section 131(b) of Part C.

Summaries of

State Research Coordinating Unit

Quarterly Reports

for the period

January 1, 1972 - June 30, 1972

ALABAMA

T. L. Faulkner, State Director of Vocational Education

Dr. David E. Sawyer, Coordinator, Research and Development, Vocational Division

PROJECTS COMPLETED:

1. "Program Planning Study of the State and Local Vocational Education System of Alabama - Phase I"
2. "An Analysis of Alabama's Technical Institute System - Phase I-IV"

NEW PROJECTS FUNDED:

1. "Program Planning Study of the State and Local Vocational Education System of Alabama"
2. "An Anaylsis of Alabama's Technical Institute System"

RESEARCH RELATED ACTIVITIES:

1. Statistics for planning and programming vocational education programs in Alabama
2. Evaluation of local and State programs of vocational education
3. Development and implementation of a local and State followup system for vocational education program terminees
4. Employment opportunities for workers in forest technology
5. Employment opportunities for workers in radio and television repair
6. Perceptions of superintendents and principals of youth organizations as integral parts of instructional programs
7. A comparison of cooperative educational programs vs. non-cooperative programs
8. Implementation of a microfiche duplication and dissemination service in Alabama - a feasibility study.

PROJECTS AND ACTIVITIES PLANNED:

1. "A Study to Define Computer Requirements for Vocational Education in Alabama"
2. "Development and Implementation of An Industrial Training Program for Alabama"
3. "Career Education Counseling: A Study of Counselor Competencies Required for Maximum Career Development Assistance to Vocational Education Students"
4. "Program Planning Study of the State and Local Vocational Education System of Alabama"
5. "An Analysis of Alabama's Technical Institute System"
6. "Inter-State Distributive Education Curriculum Consortium"

ALASKA

Louis D. Ridle, State Director of Vocational Education

Ernest Polley, RCU Director

NO REPORTS RECEIVED

ARIZONA

Eugene L. Dorr, State Director of Vocational Education

Sid Borcher, RCU Director

PROJECTS COMPLETED:

1. "A State-wide Followup of Vocational Education Graduates"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Purchased the entire ERIC microfiche collection, portable microfiche readers, and a fiche to fiche reproducer
2. Reorganized RCU library cataloging system oriented around ERIC descriptors

3. Developed an annotated bibliography and index of career education materials and disseminated it to all funded career education projects in the State. The bibliography and index will be updated monthly

4. Provided consultant services to school districts, students, committes and other persons and organizations

5. Attended various conferences and workshops including the National RCU Director's Conference

6. Delivered a variety of talks and presentations

PROJECTS AND ACTIVITIES PLANNED:

1. Implementation of research projects

2. Continuation of funded projects

3. Mini-grant programs

ARKANSAS

J. Marion Adams, State Director of Vocational Education

Jack D. Nichols, RCU Director

PROJECTS COMPLETED:

1. "Pilot Project for Office Simulation at Secondary Level"

2. "Pilot Project for Office Simulation at Post-secondary Level"

3. "Training Nurses' Aides to Become Licensed Practical Nurses in Isolated Rural Hospitals"

4. "Career Awareness - A Teacher's Guide for Elementary Grades"

5. "Curriculum Guide for Use by Junior High School Vocational Orientation Teachers..."

6. A series of local action mini-grants have been completed. These range from community surveys to curriculum development.

NEW PROJECTS FUNDED:

1. "Preparing Health Occupations Personnel"
2. "Development and Testing of Multi-Media Materials for 20 Select Occupations"

RESEARCH RELATED ACTIVITIES:

1. Reviewed and evaluated various proposals
2. Acquired and disseminated findings and materials requested
3. Participated in various conferences and meetings
4. Aided in the development of the State Plan
5. Assisted one of the Community Colleges with the development of a long-range planning and evaluation system
6. Assisted with the development of a long-range state-wide professional development system
7. Provided appropriate data and information for the Baseline Project team
8. Conducted seminar on proposal development
9. Assisted with the review and acquisition of appropriate career education films
10. Provided consultation in preparing reports and completing projects scheduled to be terminated by June 30

PROJECTS AND ACTIVITIES PLANNED: NONE

CALIFORNIA

Wesley P. Smith, State Director of Vocational Education

James H. Crandall, RCU Director

PROJECTS COMPLETED:

1. "Experiment in an Audio-Tutorial Method in Training the Audio Learner Among Music Students in Occupational Music Curricula"

2. "The Development of a Vocational Decision-Making Evironmental Construct Scale"

3. "Development of Behavioral Objectives for Business Education"

4. "A Model for Evaluating Vocational Education Programs for the Handicapped and Disadvantaged in the Community Colleges"

5. "An Instructional Assessment System for Vocational Education Programs"

6. "Effectiveness of Occupational Training for Disadvantaged and Handicapped Youth and Adults"

7. "A Project to Develop a Cost/Benefit Model for Vocational Programs at the College of Alameda"

8. "An Evaluation Followup Study of Vocational Education and Training Programs for Disabled/Disadvantaged Persons"

9. "An Approach to Quantitative Assessment of Present and Future Occupational Needs and Opportunities"

10. "A Cost Analytic Model for Santa Barbara City College Day Credit Vocational and Non-Vocational Courses"

11. "A Proposal for the Research and Evaluation of Followup Studies of High School Graduates Using Sampling Methods"

12. "Performance and Attitude Guidance Selection Model for Vocational Training"

13. "Secondary Schools Pilot and Demonstration Project for the Allied Health Occupations"

14. "Feasibility Study and Task Analysis for Vocational Curriculum to Train Enviornmental Technicians"

15. "A Study of the VIEW System in California"

16. "Comparative Costs of Manpower Education: A Methodological Study"

17. "The Use of the Pattern Search Technique As A Tool For Identifying the Characteristics of Vocational-Technical Students Attending A Two-Year Public Community College"

18. "Multa-Media for Vocational Guidance"

19. "In-service Training of Secondary Counselors for Effective Career Counseling"

20. "Relationships of Federal Grant-in-Aid Programs to National Goals for Career Education and Criteria for Grants-in-Aid"

21. "A One-Year Intensive Secretarial Training Course for High School Seniors"

22. "Medical Laboratory Assistant"

23. "A Proposed System for Predicting Costs of Vocational Education Programs in the California Community Colleges"

24. "A High School Work Experience Program -- An Analysis of Selected Public's Attitude"

25. "The Development of a Vocational Decision-Making Environmental Construct Scale"

NEW PROJECTS FUNDED:

1. "Relationships of Federal Grant-in-Aid Programs to National Goals for Career Education and Criteria for Grants-in-Aid"

2. "A Comparison of the Reading Abilities of a Junior College Population and the Readability of Their Texts"

3. "The Use of the Pattern Search Technique as a Tool for Identifying the Characteristics of Vocational-Technical Students Attending A Two-Year Public Community College"

4. "Selected Business Education Curriculum Standards and Practices in United States Public Schools, 1971-72"

5. "An Evaluation of Noise Levels in College Welding Laboratories and Its Effect on Student Hearing"

6. "Acquisition and Replacement of Equipment for High School Business Education Laboratories"

7. "Development and Validation of a Psychophysiological Measure of Work Capacity"

8. "An Analysis and Comparison of Selected Roles for State Advisory Councils on Vocational Education"

9. "A Comparison Between An Automated Method and Two Conventional Methods of Data Collection for Vocational Student Followup Studies"

10. "Job Needs Survey Model for Use by Local Education Agencies"

11. "Teacher Evaluation in Vocational and Career Education"

12. "Training of Vocational Education Teachers in Research Methodology and Writing"

13. "Assessing the Career Development Status of Students and Teachers"

14. "Career Education: Opinions of California High School Teachers"

15. "Career Education: Opinions of California Junior High Teachers"

16. "Career Education: Opinions of California Elementary Teachers"

RESEARCH RELATED ACTIVITIES:

1. Made 49 site visits to projects

2. Disseminated a variety of materials to many persons and agencies

3. Developed Monthly Research Summary

4. Provided consultation to school districts, educational institutions, and individuals

5. Attended several conferences

PROJECTS AND ACTIVITIES PLANNED: NONE

COLORADO

M. G. Linson, State Director of Vocational Education

Robert F. Barnes, RCU Director

PROJECTS COMPLETED:

1. "A Study of Potential Employers for Graduates In Business Management"

2. "Teacher-Coordinator's Manual for Succeeding in the World of Work"

3. "Health Occupations Needs Study for the State of Colorado"

NEW PROJECTS FUNDED:

1. "To Develop Video-Tapes for Vocational Programs"

2. "Job Placement Data Survey"

3. "Job Placement Data Survey"

RESEARCH RELATED ACTIVITIES:

1. Coordinated activities with the Model I Career Education Project

2. Completed plan, materials and arrangements for National Research Coordinating Unit Directors' Conference

3. Revision and writing of the Colorado State Plan for Vocational Education

4. Worked on a State-wide Occupational Business Survey, in conjunction with job placement people on the secondary and post-secondary level

5. Completed computerization of teacher credentialing information

6. Obtained teacher credentialing, instructional and student enrollment information using the State Evaluation System

PROJECTS AND ACTIVITIES PLANNED:

1. Working with the Colorado Department of Commerce and Development on the development of a proposal and review of proposals for an occupational survey of new and expanding industries in Colorado

2. Development of a State Enrollment System for Colorado community colleges

CONNECTICUT

Joseph F. Murphy, State Director of Vocational Education

Herbert Righthand and Richard C. Wilson, RCU Co-Directors

PROJECTS COMPLETED:

1. "An Intensive Followup Study of Connecticut Vocational Agriculture Graduates of the Classes of 1961, 1964, 1967, and 1970"
2. "Development of a Connecticut Vocational Career Guide and Statistical Report on Enrollment and Output of the Private Vocational Education Sector in Connecticut"
3. "Development of a Career Exploration Program for Junior High Schools in New Britain"
4. "Developing Goals for the Partially-Sighted"
5. "Construction of Followup Survey Instrument"
6. "Survey of Needs for Services to the Elderly"
7. "Research and Development Project for the Establishment of Career Education, K-12"
8. "Curriculum Evaluation Survey"
9. "The Development of an Alternate Learning Experience for Students"
10. "Elementary Career Orientation Program, K-3"
11. "Research and Curriculum Development for an Exploratory Work Experience Program, 10th Grade"
12. "Innovative Vocational Education"
13 "Vocational Needs Assessment"
14. "Shoreline Career Education Survey"
15. "Longitudinal Survey and Study of Meriden's High School Graduates of 1967 through 1971; Fall of Each Year"
16. " A Demonstration Program to Train 12-15 High School EMR Students in Key Punch Operation Using Individual Instruction"

17. "Study of Educational Programs for X-Ray Techologists"

18. "Development of a Plan for Training of Physicians Assistants and Associates"

NEW PROJECTS FUNDED:

1. "An Experimental Pre-Vocational Training Program for Autistic and Brain-Damaged Children"

2. "An Exploratory Study of the Characteristics of Students Who Seek Admission to and Who Enroll in Connecticut Regional Vocational-Technical Schools"

RESEARCH RELATED ACTIVITIES:

1. Disseminated research reports, releases and other materials including guidelines for research and exemplary projects

2. Attended various conferences, hearings, institutes and meetings

3. Served on various advisory committees and advised different interest groups

4. Administered a small research grants program

5. Collected end-of-year enrollment data for all vocational programs

6. Completed federal followup report

7. Worked with Office of Departmental Planning in the revision of PPBS objectives for the Division of Vocational Education

8. Developed prospectus for anticipated study of extended school year

9. Developed annual and long-range State Plan for Vocational Education

10. Participated in several evaluations of MDTA programs in Connecticut

11. Worked with staff of Scientific Educational Systems on development of State Data Analysis Plan for the Division of Vocational Education

PROJECTS AND ACTIVITIES PLANNED:

1. "Study of the Feasibility of an Extended or Continuous School Year for Connecticut Regional Vocational-Technical Schools"

2. "Development and Validation of Occupational Competency Examinations for Trade and Industrial Instructors"

DELAWARE

Conrad C. Shuman, State Director of Vocational Education

Burton Braverman, Supervisor, Curriculum and Research

PROJECTS COMPLETED:

1. "Pilot Project on Extended Day Occupational Programs"

2. "Unified Arts Occupational Education Program"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

DISTRICT OF COLUMBIA

Paul E. Cawein, State Director of Vocational Education

Mildred Cooper, RCU Director

NO REPORTS RECEIVED

FLORIDA

Carl W. Proehl, State Director of Vocational Education

Kenneth M. Eaddy, RCU Director

PROJECTS COMPLETED:

1. "A Followup Study of the 1965-1966 High School Cooperative Distributive Education Students"

NEW PROJECTS FUNDED:

1. "Planning a Project to Identify Communication Problems of Vocational Education Teachers in the State of Florida"
2. "Development of a Planning/Implementing Model for a K-14 Career Education Program in Brevard County"
3. "Proposal for a Planning Grant to Study the Dissemination/ Diffusion Process in Selected Florida Schools"
4. "A Planning Grant for Developing Procedures which will Identify and Define Student Personnel Services for Area Vocational Technical Centers in Florida"
5. "Comprehensive Vocational Education Program for Career Development in Grades K-14 for Pinellas County School District"
6. "A Continuation Project for Identification of Research Implications for Vocational Educators"
7. "A Continuation Project Designed to Close the Middle Manpower Utilization Gap"
8. "To Continue Development of Project Agriculture"
9. "To Continue Development of Project VIEW in Broward County"
10. "A Grant to Identify Pupil Personnel Services Appropriate to Elementary Guidance Personnel Involved in Career Development Programs"
11. "Identifying Communication Problems of Vocational Educators and Developing In-Service Program Designed to Overcome These Problems"
12. "To Continue Development of a DE Consortium and Provide Performance Objectives and Criterion Referenced Instruments for DE Programs"

RESEARCH RELATED ACTIVITIES:

1. Revised criteria for evaluating proposals and projects in the Vocational Division

2. Reviewed various proposals, evaluations, projects and reports

3. Conducted various meetings and tours related to career education

4. Attended and held various meetings, conferences, and workshops

5. Wrote, prepared or edited various reports or other materials and disseminated information

6. Made accreditation visitations to seven schools

7. Planned the Research and Evaluation Function participation in VTAE Conference

8. Consulted with individuals in preparation of proposed research, exemplary, evaluation and dissemination projects for 1972-73 as well as for planning grants and new career education models

9. Prepared the Research and Evaluation Function component for the State Plan

10. Planned for Research Coordinating Council activities in 1972-73

11. Presentation of career education movie and slide film to various local and State groups including the Commissioner's Conference on Career Education

12. Participated in State Management Review of the department conducted by USOE by preparing responses to evaluation questions, and serving as a member of a rotating group

13. Prepared specifications for a feasibility study to develop a regional consortium for assessment objectives and instruments

14. Determined Florida Research and Development budget for vocational education

15. Presented vocational technical followup study to junior college representatives

16. Assisted the Region IV, U.S.O.E. Office in conducting an evaluation of the Florida exemplary programs

17. Assisted the Southern Association of Colleges and Schools in conducting evaluations of post-secondary institutions

18. Appointed to the Commissioner's Advisory Council on Evaluation

19. Assisted department and division fiscal officers in identifying funding sources for career education and disadvantaged programs

20. Discussed accreditation procedures for changing exemplary programs from time-based model to a performance-based model

21. Began plans for the Florida Vocational, Technical and Adult Educator's Conference to be held in Miami Beach

PROJECTS AND ACTIVITIES PLANNED:

1. Development of a comprehensive program of vocational education in school districts in Florida

2. Implementation and monitoring of research, and exemplary, evaluation, and dissemination projects

3. Development of a State-wide assessment model

4. Development of research, exemplary, evaluation and dissemination projects for 1972-73

5. Prepare final reports for current projects

6. VTAE conference and division staff meetings

7. Monitor summer in-service activities

GEORGIA

George W. Mulling, State Director of Vocational Education

Paul C. Scott, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. Curriculum Project:

a. "The Preparation of PLACE Packages"

b. "The Implementation and Evaluation of PLACE Packages"

c. "Developing and Piloting a Program of Individualized Instructional Packages"

2. "Research Project for the Formation of a Simulated Work Experience Laboratory"

3. "Career Education Film"

4. "A Program of Applied Industrial Arts and Economics for Disadvantaged and Handicapped Students (Identified as Potential Dropouts) in Selected Georgia Schools"

5. "An Interstate Distributive Education Curriculum Consortium to Develop a Computerized Distributive Education Curriculum"

6. Career Education Projects:

a. "Research and Development Project in Career Education"

b. "A Job Placement Program"

c. "Career Education Evaluation"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

HAWAII

Samson Shigetomi, State Director of Vocational Education

Sybil Kyi, Coordinator for Research and Development

PROJECTS COMPLETED:

1. "Maui Community College Survey"

2. "Pilot Followup Survey of Community College Vocational Education Graduates"

NEW PROJECTS FUNDED:

1. "Kauai Community Occupation Survey"

RESEARCH RELATED ACTIVITIES:

1. Developed the initial results of a post-secondary vocational education information system
2. Emphasized community occupational surveys

PROJECTS AND ACTIVITIES PLANNED: NONE

IDAHO

Roy D. Irons, State Director of Vocational Education

William R. Swenson, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Evaluation of the Impact of Comprehensive Program to Improve Office Occupations Education at Madison High School as Measured by Student Competence"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. "Curriculum Development and Teacher Training for Simulation of Data Processing Techniques"

ILLINOIS

Sherwood Dees, State Director of Vocational Education

Ronald D. McCage, RCU Director

PROJECTS COMPLETED:

1. "Facilitating Career Development at the Elementary Level"
2. "The World of Work as an Organizing Center"
3. "Implementation of State-wide On-Site Evaluation System"
4. "Nuclear Radiation Project Study"

NEW PROJECTS FUNDED:

1. "Development of a Systematic Approach to State-wide Followup of Vocational Graduates"
2. "Review and Assessment of Impact on Occupational Education of R and D Supported Activities over the Past Five Years"
3. "Program Budget Analysis in Selected Regular Secondary and Area Vocational Centers in Illinois"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of several existing projects
2. "Vocational Education Development in Southern Illinois"
3. "An Exemplary Program in Technical Technology Based on Integrated Measurably Stated Behavioral Objectives"

INDIANA

Don K. Gentry, State Director of Vocational Education

Carol Ann Hodgson, RCU Director

PROJECTS COMPLETED:

1. "A Program for Certified Electronic Technician Apprentice"
2. "Development of Teaching Materials in Child Care and Home Management"

3. "Development of Independent Training Materials for Trainable Mentally Retarded Students"

4. "Development of Curriculum Guidelines for Vocational Home Arts Teachers"

5. "Development of Individualized Instruction Units in Agricultural Mechanics"

6. "Identification of Criteria for Determining Effectiveness of Young Farmer Chapters"

7. "Criteria for Establishing and Conducting Building Trades Programs"

8. "Study of Data Processing Education in Indiana Schools"

9. "Review of Study Guides for ICT Program"

NEW PROJECTS FUNDED:

1. "A Project to Develop Self-Instructional Materials for Upgrading Conditionally Licensed Teachers"

2. "A Plan for Development of Photographic Process for Overhead Transparencies"

3. "A State-wide Study Involving the Followup and Evaluation of Graduates of the Intensive Office Laboratory Program"

4. "A Project Designed to Assist Distributive Education Instructors and Students to Conduct and Evaluate Practical Research"

5. "Research Study for the Development and Evaluation of an Allied Health Program in Respiratory Therapy at the Secondary Level Leading to Post-High School Certification"

6. "The Level of Administrator, Counselor, and Student Acceptability of Alternative Agri-Business Education Program in Indiana Secondary Schools"

7. "Information Acquisition and Attitude Modification in Occupationally-Oriented Education"

8. "The Development and Testing of an Indpendent Study Instructional Unit Concerning the Metric System of Measurement"

9. "Getting to Know the Gary Technical-Vocational School and What It Has to Offer to the Vocationally Talented of Our Community"

10. "A Pilot Proposal for a Career Education Curriculum Guide"

11. "Continuation and Expansion of the Instructional Resource Center to Develop Materials for In-Service and Pre-Service Vocational-Technical Teacher Education"

12. "A Followup Study of the 1965 Through 1969 Graduates of the Schools to Determine if the Needs of the Students and Communities are Being and Have Been Met"

13. "A Proposal to Compile and Edit Research that Has Been Done in Indiana Within the Past Three Years and Disseminate Findings to Vocational Educators"

RESEARCH RELATED ACTIVITIES:

1. Study of post high school educational plans of senior students

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of Unified Curriculum Project

2. Continuation of VOCEDS Project

3. Continuation of Interdisciplinary Cooperative Education Evaluative Study

4. Pilot Program for Health Occupations in Secondary Schools

IOWA

William O. Schuermann, State Director of Vocational Education

Kenneth M. Wold, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Identification of Occupational Competencies in Services for the Electromechanical Cluster Occupations"

2. "Models for Secondary Career Education in Iowa"

3. "Unifying a Career Development Theme in the Curriculum Through Teacher In-Service Activities"

RESEARCH RELATED ACTIVITIES:

1. The Career Education Research Advisory Committee met for the purpose of reviewing research proposals

2. The Career Education Needs Information System (CENIS) research project included the following activities:

   a. The Labor Demand component of the CENIS project identified, through its sampling and data processing contractor, the random sample and critical industrial firms to be included in the survey. The number of state-wide firms to be surveyed is 5,657

   b. Orientation workshops were held to familiarize area school survey coordinators and interviewers with the Labor Demand component and to discuss interviewing techniques and procedures

   c. Pilot testing of three instruments for the Student Interest component of CENIS was conducted at 25 high schools. Results and evaluation of the test were collected, analyzed, and summarized

   d. Field testing of a data collecting instrument for the Student Followup component of CENIS was conducted at one high school and one area school

3. A report on the growth and development of career education in Iowa was updated to reflect Fiscal Year 1971 data for career education administrators' discussion and as a future publication

4. Consultative service to research proposal initiators and directors was provided

5. Three on-going competency study projects and one project designed to develop learning activity packages for distributive education were evaluated to assess progress

6. Guidelines for 1/3 Part F identification of depressed areas and for program proposals were completed

7. Workshops prepared for exemplary and research projects were attended

8. State and Regional meetings for the on-going interstate consortium distributive education project were attended

9. Organized and participated in on-site visits for team evaluations of exemplary projects. Evaluation summary reports were prepared after the visits.

10. Completed Career Education Annual Report for FY 1971 and submitted to the U.S. Office of Education

PROJECTS AND ACTIVITIES PLANNED:

1. The State Career Education Research Advisory Committee will continue to meet to review research proposals and to establish new research priorities

2. The various components of the Career Education Needs Information System (CENIS) will continue to be developed and implemented

3. Research findings and official publications will continue to be prepared for dissemination

4. Consultative assistance to initiators and directors of research and exemplary projects will be provided

KANSAS

John E. Snyder, State Director of Vocational Education

John E. Snyder, RCU Director

PROJECTS COMPLETED:

1. "Conceptual Base for Industrial Education"

2. "A Computerized Statewide Followup System Which Utilizes Sampling as A Data Collection and Projection Technique"

3. "Kansas Guide for Developmental Career Education"

4. "Interstate Distributive Education Curriculum Consortium"

5. "Research Project, Cooperative with KSU and SDE"

6. "Hill City Research Project"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

KENTUCKY

Carl F. Lamar, State Director of Vocational Education

Clayton P. Omvig, RCU Director

PROJECTS COMPLETED:

1. "The Relationship of Expressed and Tested Vocational Interest of Black, Inner-city Youth"
2. "Development and Demonstration of the Simulated Model Office"
3. "Vocational Interests of Disadvantaged Cooperative Occupational Experience Students"
4. "Evaluation and Field Testing of New Home Economics Curriculum"

NEW PROJECTS FUNDED"

1. "The Image of Vocational Education in Kentucky"

RESEARCH RELATED ACTIVITIES:

1. Conducted two State-wide conferences on career education
2. Coordination of Part C and D funded Career Education projects
3. Disseminated information
4. Consultative and technical assistance to vocational education at all levels

PROJECTS AND ACTIVITIES PLANNED: NONE

LOUISIANNA

Louis J. Michot, State Superintendent of Education

Ruth A. Letten, RCU Acting Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "A Study of the Aims and Needs of College Vocational Education Dropouts"

2. "A Demonstration Project for Training in Electronics Data Processing"

3. "A Demonstration Project for Occupational Orientation of Students in Grades 7 through 12 Attending Schools in Grant and Winn Parishes"

4. "A Demonstration Project for Occupational Orientation of Students in Grades 8, 9, and 10 Attending Lafayette Parish Schools"

5. "Normative Survey in Career Development for the Handicapped"

6. "Preliminary Planning Study for Establishment of Career Opportunity Community Colleges in Greater New Orleans Area"

RESEARCH RELATED ACTIVITIES:

1. Developed plans, prepared the program and served as host for National RCU Directors Conference in New Orleans

2. Was a consultant in Georgia, State Department of Education, on "Project Baseline - Learning a Living Across the Nation"

3. Attended a "Management by Objective" seminar and developed MBO objectives for RCU Section

4. Prepared for several research conferences

5. Completed the followup study on students enrolled at the Capital Area Vocational School, Baton Rouge, during the years of 1969-70-71

6. Mailed monthly circular letter listing recent research topics on microfiche

7. Completed the filing of new microfiche received. Disseminated microfiche materials

PROJECTS AND ACTIVITIES PLANNED: NONE

MAINE

Elwood A. Padham, State Director of Vocational Education

Charles Ryan, RCU Director

PROJECTS COMPLETED:

1. "A Survey of Vocational Education Needs in South Penobscat County"

NEW PROJECTS FUNDED:

1. "Career Transition Study"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

MARYLAND

James L. Reid, State Director of Vocational Education

Marinus A. Kip, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Summer Survey and Returnee Project"
2. "An Empirical Investigation of the Effects of the Catonsville Community College Environment Upon the Affective Development of Career-Students"
3. "Institutional Evaluation Revisited, Revised and Extended: Focus on the Career Student"

4. "Research and Development of a Computer Assisted Instruction Center for Post-Secondary Vocational Projects"

5. "A Survey and Status Evaluation of the Diversified Occupations Program in Prince George's County, Maryland"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

MASSACHUSETTS

John P. Manning, State Director of Vocational Education

Ronald J. Saris, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Management Information for Occupational Education"

2. "Career Education Document Information System"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

MICHIGAN

Jack Michie, State Director of Vocational Education

James P. Bebermeyer, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Management skills training for Voc-Ed staff held
2. Exemplary, research, and placement projects evaluated
3. Assisted in Advisory Council research and reports
4. Extended post-secondary cost analysis study
5. Initiated evaluation feasibility study of post-secondary occupational education
6. Finalized direct Federal Part D project negotiation
7. Assisted in computerized information system development
8. Assisted in development of vocational placement guidelines
9. Assisted in special needs evaluation and in performance objectives inservice training

PROJECTS AND ACTIVITIES PLANNED:

1. Assist in:
   a) management skills implementation
   b) solicitation of new research and exemplary projects
   c) training trainers in performance objectives
   d) pilot test of information system
2. Complete preliminary phase of evaluation feasibility study
3. Test evaluation model
4. Research assistance to Advisory Council

MINNESOTA

Robert P. Van Tries, State Director of Vocational Education

Howard F. Nelson and Jerome Moss, RCU Co-Directors

PROJECTS COMPLETED:

1. "WECEP Evaluation"

2. "Phase I of An Individualized Approach to Training Licensed Practical Nurses"

NEW PROJECTS FUNDED:

1. "Home Economics Evaluation Project"

2. "In-Service Training in the Methods and Materials of Individualized Instruction in Distributive Education"

3. "An Innovative Pilot Program for the Dental Assistant Program"

4. "Developing Articulated High School and Post High School Vocational Curriculum"

5. "View and Match Project"

6. "Analysis of Local Annual Plans"

RESEARCH RELATED ACTIVITIES:

1. Conducted two meetings of committee and (a) established State R&D priorities of FY 1973, (b) developed a strategy to advertise priorities, (c) developed a procedure to disseminate a study of priorities and human resources for R&D activities

2. Coordinated the evaluation of career education projects by developing a computerized system for identifying and assessing the processes used to implement career education

3. Developed a list of Federal, State and private agencies which have R&D funds available and a procedure for disseminating this information to vocational and career educators in the fall of 1973

4. Provided technical and R&D consultation to various individuals, agencies, and projects

5. Maintained an up-to-date computerized information and storage retrieval system for R&D materials by adding 3000 new documents to our current collection of 17,000

6. Made R&D materials readily available to vocational educators in the State

7. Developed and operated a computerized mailing list consisting of all vocational and practical arts educators in the state as well as selected R&D personnel out-of-state

8. Administered the USOE/BR research training program

9. Recruited ten new students for EPDA leadership development program in vocational education

10. Employed and/or provided practicum experience in research for four additional students

11. Planned two technical reports entitled:

    a. "Guidelines for Developing, Implementing and Evaluating Career Education Programs at the Local Level"

    b. "Development of a Model for Formative and Summative Evaluation of Developmental Projects"

12. Conducted in-house research projects:

    A. "Development of a first draft of research study designed to test criterion measures for a system for evaluating post secondary vocational programs"

    B. "Develop and test a system for vocational education planning"

        1. Completed a draft of a rationale for directing vocational planning and R&D activities

        2. Pilot tested a model and distributed 1000 copies of a research report which deals with assessing manpower demands in Minnesota

        3. Developed a first draft of a study pertaining to testing a model for assessing people's needs for vocational training

        4. Developed a first draft of a model to combine people's needs with manpower demand data for program planning purposes

    C. "Design a system for meeting the vocational education personnel needs in the State"

        1. Completed first draft of a study assessing the quantitative demand for pre-service vocational teachers in the State

        2. Developed a strategy for assessing the amount and type of in-service vocational teacher education needs in the State

3. Distributed 1000 copies of a study which developed and evaluated telecommunications as a means of supervising student teachers

4. Completed a study designed to analyze the tasks and competencies of research, development, dissemination and evaluation personnel

5. Completed a study to assess the occupational needs of in-service agriculture teachers in the State

6. Formulated a rationale for a competency based leadership development program and identified the competencies of administrative personnel

D. "Conduct research in vocational guidance"

1. Completed the first darft of a study to determine the perceptions of high school students towards post secondary vocational programs

2. Completed first draft of a study to assess opinions of high school students towards the structure of post secondary institutions in Minnesota

E. "Develop and test a system for evaluating regional vocational conferences in Minnesota"

1. Instruments were developed, printed and distributed to each of the three regional conference evaluations

2. Data were collected and analyzed and the first draft of the Metro Conference evaluation has been prepared

F. "Supervise and evaluate career education projects in Minnesota"

1. Have conducted on-site visits of eight career education projects

2. Written a proposal to ESEA Title III to develop, operate and evaluate a system for conducting the formative evaluation of nine career education projects

3. Developed and presented the first draft of a career education model to about 300 leaders in the field of vocational, practical arts and career education

4. Developed a preliminary plan and computer program for conducting the summative evaluation of eight career education projects

5. Obtained 500 pictures of on-the-job workers and have developed and pilot tested prototypes of the criterion measures for career education K-9

6. Developed a proposal to conduct the evaluation of Title III ESEA project in career education

7. Served as consultant and provided instruments to the State Department of Education to assess the impact of career education in non-exemplary programs in Minnesota

G. "Conduct research in curriculum development"

1. Have submitted a proposal and obtained funds to develop and evaluate a methodology to articulate secondary and post-secondary vocational programs

2. Completed a visit to the Ohio State R&D Center to have them critique the model

H. "Conduct research in continuing adult vocational education"

1. Developed a plan to assess the vocational needs of adults in Minnesota

PROJECTS AND ACTIVITIES PLANNED: NONE

MISSISSIPPI

Troy V. Majure, State Director of Vocational Education

James E. Wall, RCU Director

PROJECTS COMPLETED:

1. "Evaluation of the Career-Centered Curriculum for Vocational Complexes in Mississippi"

2. "Strategies for Effecting Change in Vocational and Technical Education: Review and Synthesis"

3. "Images and Perceptions of Vocational Agriculture Programs in Mississippi"

4. "Factors Related to the Coordination and Effectiveness of Occupational Education Programs"

5. "Vocational-Technical Training Needs in the Pearl River Junior College District, 1972-1980"

6. "Core Curriculum for Agriculture and Agribusiness on All Levels of Education"

7. "Feasibility of Interagency Cooperation in Providing Welfare Recipients Employment Through Vocational Training"

8. "A Program for Early Detection and Attitudinal Reorientation of Potential School Dropouts"

9. "Assisting Local Schools in Modifying Business Education Programs"

10. "Implementing a Career-Centered Curriculum in the Public Schools of Mississippi"

NEW PROJECTS FUNDED:

1. "Determining Employment Opportunities in the Cophia-Lincoln Junior College District"

RESEARCH RELATED ACTIVITIES:

1. Provided assistance in personnel development, curriculum development, materials development, evaluation, and resource management for career education activities

2. Produced the film, Can Johnny Earn a Living?

3. Monitored funded research projects

4. Disseminated materials to a variety of persons and complied with requests for information on educational activities

PROJECTS AND ACTIVITIES PLANNED:

1. Continue to carry out the functions of the RCU.

MISSOURI

B. W. Robinson, State Director of Vocational Education

Glenn White, RCU Director

PROJECTS COMPLETED:

1. "Manpower Projections for the Four-County Area Which Forms the Junior College District of Missouri Southern College"

2. "Selection of Vocational Students to Improve Probability of Success"

3. "What are the Attitudes of the Residents of the Shelby County R-IV School District Regarding Place of Vocational Education in the School's Curriculum?"

4. "Challenge Tests for Units of First Semester Nursing Course in Associate Degree Curriculum"

5. "Vocational Development for Children"

6. "A Study to Determine If There is Sufficient Need to Warrant the Establishment of a Two-Year Technical Program to Train Commercial Artists"

7. "A Study to Determine if There is Sufficient Need for a Two-Year Technical Program to Train a Computer Technician"

8. "Employer-School Cooperation in Placement of Vocational Special Education Pupils"

9. "Structural Presentation to Interest Students in Civil Engineering Technology"

10. "Feasibility of One-Year (Post-Secondary) Drafting Program"

11 "Identification At the Elementary Level of Potential Dropouts on the Assumption That There Will be Sufficient Numbers to Justify Inclusion of Additional Vocational Programs in Our Curriculum"

NEW PROJECTS FUNDED:

1. "A Five County Study of Adult Education Needs"

2. "Effects on Attitudes and Knowledge of Vocational Administrators Exposed to New Management Techniques"

3. "Curriculum Technologies Development"

4. "A Study of Missouri Farm Accidents -- Causes, Costs and Possible Prevention"

5. "Student Oriented Industrial Firm (Feasibility Study)"

6. "Development and Application of a Proficiency Profile System for Placement of Vocational-Technical Program Graduates"

7. "Industry-Education Cooperation in Providing Career Education"

8. "Development of a Model Local Application for Receiving Vocational Program Funding"

9. "The Feasibility and Planning of a Multiple Approach to Vocational Programming Which Will Meet the Career Aspirations of Students in a Rural Secondary School Setting"

10. "Statewide Post-Secondary Agricultural Chemical Curriculum Development Study"

11. "Development of Sufficient Skills and Abilities of Disadvantaged Students to the Level of Being Able to Succeed in Regular Vocational Classes"

12. "Design of a New Post-Secondary Co-Curricular Organization for Vocational-Technical Students"

13. "Analysis of the State Vocational Education Aid Formula"

14. "A Film/Tape Presentation on Allied Health Technologies"

15. "A Film/Tape Presentation on Electronic Technology"

16. "A Film/Tape Presentation on Traffic Engineering Technology"

17. "Evaluation of Vocational Guidance and Vocational Education at North Platte"

18. "Survey of Area Vocational Needs"

19. "Career Opportunities in Parkway"

20. "Vocational Agriculture Master Plan"

21. "Identification of Innovative Techniques to be Used in Vocational Teacher Education"

22. "A Survey of the Vocational Opportunities in the Central School District"

23 "Sound/Slide Individual Instruction in Use of Sliderule"

24. "Prevention of Dropouts and Failures Through More Vocationally Slanted Courses"

25 "Sound/Slide Instruction for the Operation of the Conventional Lathe"

26. "Development of an Individualized Instruction Plan for Electric Circuit I"

27. "Selection or Design of a Placement Examination for Engineering Freshmen Interested in Mechanical Engineering Technology or Pre-Engineering"

RESEARCH RELATED ACTIVITIES:

1 Conducted information retrieval and dissemination activities

2. Participation in several planning and evaluation workshops

3. Participated in various on-site evaluations for the Vocational Division

4. Provided consultative assistance in project preparation

5. Collected and editied all resource information necessary to complete the Statewide Resource Directory

6. Submitted final report draft for the planning phase of the Missouri Occupational Training Information System (MOTIS)

7. Identifying, collecting and organizing information and data pertient to developing a proposal for the first year operation of MOTIS

8. Wrote and distributed guidelines and forms for submitting an application for grants or contracts for the research, training, experimental, developmental, or pilot projects in career education

9. Reviewed and processed 32 Level I and 47 Level II research applications submitted to the RCU for consideration for funding. Of the proposals submitted, 10 Level I and 15 Level II have received tentative approval

10. Conducted a program of orientation to MOTIS for the State Advisory Council

11. Participated in a management review of the Missouri State Department of Education for the U.S. Office of Education

PROJECTS AND ACTIVITIES PLANNED:

1. Continue activities in information retrieval and dissemination

2. Review and approve research projects

3. Submit proposal for first year operation of MOTIS, and if approved will initiate operation of MOTIS

4. Write selected parts of Missouri State Plan for Vocational Education

5. Write specifications and submit for printing bids of the Statewide Resource Directory

MONTANA

Benjamin Ulmer, State Director of Vocational Education

Robert A. Lehman, Acting Director of Research, Planning, Development, and Evaluation Component

PROJECTS COMPLETED:

1. "Agri-Business Survey"

NEW PROJECTS FUNDED:

1. "Agri-producers Survey"

RESEARCH RELATED ACTIVITIES:

1. Developed a training package and revised the manual to accompany the system for implementing a permanent planning and evaluation capability for vocational education program

2. Developed a plan for constructing the State Plan for Vocational Education

3. Assisted in developing a plan for coordinating the use of research findings in counseling students and building curriculum

4. Audited the evaluation activities of the project mentioned in three above

5. Assisted in evaluating a Health Occupations Workshop and a Guidance and Counseling Institute

6. Supervised and assisted in some of the technical aspects of the manpower surveys conducted by Montana State University

7. Began the design of an information system for the Vocational and Occupational Skills Component

PROJECTS AND ACTIVITIES PLANNED:

1. Continue to supervise and assist in the agri-producers survey

2. Audit the evaluation of the Career Education Project designed to use research findings in counseling students and building curriculum

3. Complete the design and implement the information system for use in the Vocational and Occupational Skills Component

4. Assist the Vocational and Occupational Skills Component in planning and evaluation

NEBRASKA

Glen H. Strain, State Director of Vocational Education

Elton B. Mendenhall, RCU Director

PROJECTS COMPLETED:

1. "Determining Vocational Education Needs through an Analysis of Business and Industrial Enterprises Within the Twenty County Area Served by Central Nebraska Technical College"

2. "Minimum Levels of Technical Competency Standards for Industrial Education Programs in Nebraska - Phase I"

3. "A Project to Develop a Series of Steps and Procedures for Assisting Local Education Leaders Develop the Competencies Needed to Construct an Occupational Education Curriculum - Phase I"

4. "Development of Instructional Materials for the Itensified Office Laboratory Phase I and Phase II"

5. "Assessment of Instructional Effectivenss of Nebraska Vocational Technical School Educational Offerings from 1965-1969"

6. "State-wide Computerized Model for Determining Occupational Opportunities in Nebraska, 1972 Report"

NEW PROJECTS FUNDED:

1. Four continuation proposals under Part C were funded for FY 1973

RESEARCH RELATED ACTIVITIES:

1. Disseminated various documents, reports, and other materials
2. Coordination activities to review Exemplary Proposals and submit to the State Board for Vocational Education - four projects approved
3. Coordination activities in Research Continuation Proposal writing, review, and submission to the State Board for Vocational Education - April 7, 1972
4. Developed a pamphlet describing the RCU operation and function
5. RCU Director involvement in Career Education movement through speaking engagements at various local schools and colleges
6. Review of goals and objectives for State Plan preparation
7. Coordination of Annual Occupational Opportunities Report, data gathering and computer programming
8. Attended National RCU Directors Conference, New Orleans, Louisiana
9. Revised Guidelines for preparing research proposals under Part C
10. Consulted with local school representatives on proposal preparation for exemplary and research projects
11. RCU Director attended conference on Simulation for Vocational Coordinators, Denver, Colorado
12. RCU Director presented material on Career Education and Vocational Research to graduate classes at Creighton University, University of Nebraska, Peru State College, and Kearney State College
13. RCU conducted first "third party" evaluation for Model Career Education project at Milford, Nebraska funded under USOE Commissioner's Discretionary Award under Section 131(a) of Part C
14. RCU completed analysis of data for 1972 Occupational Opportunities Report and submitted draft for printing three thousand copies

PROJECTS AND ACTIVITIES PLANNED:

1. Stimulation and coordination of proposals for exemplary and research proposals
2. Updating of the master list of employers for Annual Occupational Opportunities Report
3. Second outside evaluation of career education project at Milford, Nebraska
4. Dissemination activity from RCU Learning Resource Library
5. Compilation of Annual RCU report

NEVADA

R. Courtney Riley, State Director of Vocational Education

Len L. Trout, Acting Director, RCU

PROJECTS COMPLETED:

1. Guide for Occupational Cluster Program Development
2. "EPDA, Part F Evaluation"
3. "Governor's State Finance and Status Study of Public Education in Nevada"
4. "Sixth Grade Drug Abuse Prevention Project (First Year)"
5. "Driver Education Project" (Funded by the Nevada Highway Safety Department)

NEW PROJECTS FUNDED:

1. "Health Occupations Curriculum Guide for 10th, 11th, and 12th Grades in Washoe County School District"
2. "Development of Questionnaire for Followup Study of University of Nevada Nursing Students"

RESEARCH RELATED ACTIVITIES:

1. Provided consultant services to various groups, organizations and individuals

2. Began developing two in-depth proposals on career education to be submitted to the U.S. Office of Education

3. Attended various conferences, workshops and meetings

4. Provided support services for the Far West Laboratory for Educational Research and Development, Nevada Area Director

PROJECTS AND ACTIVITIES PLANNED: NONE

NEW HAMPSHIRE

Neal D. Andrew, State Director of Vocational Education

Gloria S. Cooper, RCU Director

NO REPORTS RECEIVED

NEW JERSEY

Stephen Poliacik, Acting State Director of Vocational Education

Harold R. Seltzer, RCU Director

PROJECTS COMPLETED:

1. Special Papers:

   a) "Doctoral Dissertations Concerning Career Education, 1960-1971"

   b) "Why Career Education? The Facts"

   c) "7th, 8th, and 9th Grade Career Exploration"

   d) "Placement: The Ultimate Test of a School's Commitment to its Students"

   e) "Answers to Five Basic Questions About Career Education"

2. "The World of Finance" - Feasibility Study

3. "Planning Grant - Career Education"

4. "Health Occupations Teachers"

5. "The Implementation and Evaluation of a Formalized Recruitment Program for Distributive Education"

6. "Special Report on Researchers Conference in Vocational-Technical Education"

7. "Career Education Progress: The Latest Developments in New Jersey Career Education Programs"

8. "Special Paper: Simulations and Career Education"

NEW PROJECTS FUNDED:

1. "In-service Mini-Research Seminars for Leaders in Vocational Education in New Jersey"

2. "Research and Evaluation of Career Education Assessment Materials for Grades 7-8-9 Concerning Attitudes and Behavior Change"

3. "A Feasibility Study for an Experimental COPE Program in a Community in New Jersey"

4. "Joint Research Study of Apprenticeship Training in New Jersey"

5. "Research and Evaluation of Career Education Assessment Materials for Grades 10-11-12 Concerning Attitudes and Behavior Change"

6. "Feasibility Study of Use of Multi-Media Techniques in Self-Development"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Publish additional special papers

2. Development of "Orientation to Work Among Children"

3. Factors influencing non-white participation in apprenticeship programs in selected building trades in New Jersey

4. Development of a rationale and structure for "The World of Finance" curriculum project

5. The investigation and development of a college program for first line supervisors in Business and Industry

6. Evaluation of homemaking and consumer education programs for out-of-school youth and adults

7. Curriculum development projects

8. A continuation of activities which have not been completed and were recorded in previous quarters

NEW MEXICO

James B. West, Acting State Director of Vocational Education

Dick Harmeson, RCU Director

PROJECTS COMPLETED:

1. "Program Planning and Budgeting"

2. "Master Plan for Vocational Education"

3. "A-V Aids for Foundry Techniques"

4. "Data Processing Information System"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Attended various conferences and workshops

2. Conferred with teachers, administrators, and project directors about career education projects

3. Published and disseminated materials

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of UNM Data Processing Information System
2. Career Ladder Nursing Plan

NEW YORK

Robert S. Seckendorf, State Director of Vocational Education

Louis A. Cohen, Chief, Bureau of Occupational Education Research

PROJECTS COMPLETED:

1. "Discriminatory Hiring Practices"
2. "Behavioral Objectives Training Package"
3. "New York State Drug Administrators' Survey and Conference Report"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Provided consultative services to various institutions, organizations and State agencies
2. Attended conferences and seminars and made a variety of presentations
3. Educational Programs and Studies Information Service (EPSIS) was created by the State Education Department to coordinate program and studies information sources within the Department and to provide a single access point for program, studies, and human resource information requests from both inside and outside of the Department. A staff member attended a number of meetings this quarter to assist in the planning and coordinating of the new unit.
4. Meetings were held periodically with personnel from both City University of New York and Cornell Research and Development Centers to check their progress
5. Meetings were held with Office of Occupational Education personnel to discuss new advertising curriculum and a book-keeping study

6. A progress report was made on the Evaluation of LaGuardia Community College Project

7. The final draft of Mini-Grant 1971 - Final Report was completed and accepted

8. Review and selection of 1972 Mini-Grant projects was completed. Of 19 selected, 17 have entered their initial phase of operation

9. The final draft of the registered apprenticeship training study--a joint study between the Departments of Labor and Education--is completed. The study has been submitted for approval by personnel in both Departments

10. Reports are being prepared on the Crisis Center Conference and Drug Conference II

11. The Regents' Position Paper on Values has been rewritten and is ready for submission at the Regents' May meeting

12. Teachers were trained in the use of performance test questions that accompany behavioral objectives in the Evaluation Service Center for Occupational Education Data Bank

13. A staff member met with the project director of the Health Competency Study to monitor that project's progress

14. Registered Apprenticeship Training - A Joint Study has been sent to the printer

15. All of the data from the New York State Community College Attrition Study was coded and has been sent for keypunching and computerization

16. A staff member did an evaluation of a 5-day Distributive Education Teachers Conference

17. A 4-day Institute is being planned with the Division of Occupational Education. It will be held in August as a means for State Occupational Education Teachers to exchange ideas

PROJECTS AND ACTIVITIES PLANNED:

1. A proposal on the use of a communications satellite for registered apprenticeship training programs was submitted for review and possible funding

2. A staff member attended meetings to discuss moving the Evaluation Service Center for Occupational Education to Hudson Valley Community College

NORTH CAROLINA

Charles J. Law, Jr., State Director of Vocational Education

Charles H. Rogers, RCU Director

PROJECTS COMPLETED:

1. "Development of a Research Instrument Which Can Assess the Occupational and Educational Status of Former Occupational Enrollees of North Carolina Community Colleges and Technical Institutes"

2. "Projecting Manpower Needs for Occupational Education Program Graduates"

NEW PROJECTS FUNDED:

1. "The Dissemination of Occupational Education Research Information"

2. "Career Education Summer Project for School Personnel"

3. "Preparation of Occupational Guidance Coordinators"

4. "Establishment and Evaluation of a Model for a Comprehensive Career Education Program in North Carolina"

RESEARCH RELATED ACTIVITIES:

1. Served on various task forces, committees, and councils

2. Provided consultation for various groups

3. Attended or conducted several conferences

4. Monitored research projects

5. Completed the final report for an ORU evaluation project entitled "An Evaluation of North Carolina's Career Exploration Program"

6. Reported to the State Board of Education on a project entitled "Establishment of an Information Center to Design a System for Collecting and Processing Manpower Information at the Local Level"

7. Participated in the development of the State Plan for Vocational Education

8. Developed a concept paper entitled "The North Carolina Education Community: Changing Organizations to Organize Change" to be used as a basis for establishing a research dissemination and diffusion program for the ORU

9. Assisted area directors of occupational education in clarifying their roles with respect to occupational research projects

10. Reported to State Board of Education on "Articulation Between North Carolina's Public System of Elementary and Secondary Schools and Public System of Technical Institutes and Community Colleges"

PROJECTS AND ACTIVITIES PLANNED: NONE

NORTH DAKOTA

Carrol E. Burchinal, State Director of Vocational Education

Larry Selland, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Continued supervision of on-going research projects and information dissemination activities

PROJECTS AND ACTIVITIES PLANNED:

1. Implement long-range followup of post-secondary vocational students

2. Begin planning for complete update of Occupational Survey data

OHIO

Byrl R. Shoemaker, State Director of Vocational Education

Cecil O. Tower, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Feasibility Study for Career Academy"
2. "Interstate Distributive Education Curriculum"
3. "Great Lake Maritime Trades Program"

RESEARCH RELATED ACTIVITIES:

1. Maintained library facilities and ERIC service
2. Assisted in preparing proposals and projects
3. Participated in various meetings, seminars, and workshops and counseled other groups
4. Continued efforts on PRIDE
5. Revised program review instruments in the areas of Business and Office Education and Trade and Industrial Education
6. Revised the Parent and Student Vocational Education Survey
7. Assisted with the development of a "Vocational Choice Inventory" to obtain pre-enrollment plans for 10th grade students
8. Conducted initial activities for the development of a program review instrument for special needs programs
9. Continued the cost analysis review to identify the cost of an instructional program and a cost-per-pupil figure

PROJECTS AND ACTIVITIES PLANNED: NONE

OKLAHOMA

Francis T. Tuttle, State Director of Vocational Education

William D. Frazier, RCU Director

PROJECTS COMPLETED:

1. "DELPHI: A Planning Tool"
2. "Cycle Four Report, Occupational Training Information System"
3. "Cycle Four Report, Occupational Training Information System, Supplement I; Statewide Totals and Descending Rank Order of Program Clusters"
4. "A Descriptive Study of Oklahoma's Vocational and Technical Education Local Advisory Committees"
5. "Career Development for Supportive Nursing Personnel, A Suggested Program Guide"
6. "Plan for Progress Through the 70's"
7. "A Computer Orientation for the Department of Vocational and Technical Education"

NEW PROJECTS FUNDED:

1. "The Development and Testing of a Linear Programming Technqiue for Optimizing Occupational Training Program Combinations"
2. "Developing a Model Research Center for a Local or Area Vocational-Technical Institute"
3. "Developing a Model for the Use of a Research Utilization Specialist for an Area Vocational-Technical School"
4. "A Followup Study of Tulsa Public School Graduates"
5. "A Comparison of Selected Factors Which Are Associated with the Initiation and Operational Procedures of a Course in Specialized Agricultural Mechanics"
6. "Proposal for the Study of the Industrial Arts Teacher Education Programs in Oklahoma Colleges and Universities"

7. "A Professional Internship in Vocational Agriculture Occupational Training"

8. "Developmental Child Care: A Child Development Program for Children and Their Mothers"

9. "A Model Guidance Program to Elicit Quantifiable Results"

10. "Slide Series for Distributive Education II and Distributive Education III Courses of Study"

11. "Career Orientation for the Elementary Schools of Oklahoma"

RESEARCH RELATED ACTIVITIES:

1. Wrote or revised, published, and distributed various works and documents

2. Conducted several computer orientation workshops for different groups

3. Conducted various other workshops and conferences

4. Attended workshops, meetings, and conferences

5. Presently working on a systems design for Oklahoma State Tech at Okmulgee

6. Conducted several surveys and analyzed results

7. Reviewed and wrote proposals and evaluated projects

8. Active on doctoral committee work with ten students

9. Developed a directional State plan for a 10-year period

10. Worked on a 5-year plan for adult vocational education

11. Submitted AID proposal "To Establish an Institution to be Responsible for International Vocational-Technical Education," and met several times in Washington regarding the proposal

PROJECTS AND ACTIVITIES PLANNED:

1. Continue planning and development of components of the Sand Springs Career Education Project

2. Complete publications and reports

3. Hold seven workshops for Area School teachers on writing their goals and objectives

4. Continue work on automating the OTIS system

5. Identify participants and coordinate presentation plans of graduate student research for AVA

6. Develop an ERIC use training package with measurable objectives

7. Develop the State Plan for Fiscal Year 1973

8. Continue other in-house projects previously reported

OREGON

Leonard Kunzman, State Director of Vocational Education

Dan Dunham, RCU Director

PROJECTS COMPLETED:

1. Paisley High School "Operation Bootstrap"

2. "Portland Public School Counselor Re-Orientation Program Development Study"

3. "Portland Community College - Oregon Community College Association Articulation Project"

4. "Hood River Valley High School Comprehensive Career Education Program, Interdisciplinary Project"

5. "Coos I.E.D. Public Information Mini-Grant Project"

6. "Junction City and Pleasant Hill Joint Junior High Exploratory Programs Assessment Project" (Mini-Grant)

7. "University of Oregon Student Based Counseling Project"

8. Six other projects also completed their first phase

NEW PROJECTS FUNDED:

1. "Springfield (Moffitt Elementary) Student - Guidance Based Awareness Model"

2. "Junction City Junior High School Career Exploratory Replication Model Project"

3. "Lane Community College Vocational Physics Interdisciplinary Matrix Project"

4. "Coos I.E.D. Indisciplinary Matrix Project"

5. "Stayton High School Interdisciplinary Project"

6. Bethel School District World of Work Guide Evaluation Handbook"

7. Five other projects were funded for Phase II

RESEARCH RELATED ACTIVITIES:

1. Conducted evaluation orientation and planning session for 27 State Department personnel

2. Developed new method for research project evaluation based upon "Practitioner Team;" piloted evaluation effort with Tigard Career Awareness - Exploratory project

3. Organized and conducted first joint meeting of research and exemplary project directors jointly with specialist responsible for exemplary projects

4. Ad hoc advisory committee for Applied Research met to review proposals

5. Completed outside evaluation of Oregon Exemplary Project, David Douglas Schools, "Project VIGOR"

6. Continued development of six Eastern Oregon Counties Career Education Program proposal (SIXCO); targeted for submission to USOE July 18, 1972

7. Attended simulation Trainer's seminar (sponsored by the Center for Vocational-Technical Education of Ohio State University) at Denver

8. Conducted two-week summer workshop in Career Awareness and Exploratory Programs at Oregon State University with Dr. Richard Gardner of OSU

9. Participated in various inservice activities related to research projects

10. Made 15 major presentations on Career Education

11. Completed evaluation of Regional Vocational Coordinator programs. Reported results to State conference of Intermediate Education Districts (I.E.D.'s)

PROJECTS AND ACTIVITIES PLANNED:

1. Complete and submit annual report of research and related activities

2. Complete revision and submit copies of proposals for approved new and continuing research projects

3. Complete supplement to Burns Career Education Program proposal on special pre-dropout, pre-delinquent learner program component

4. Conduct portion of two-week workshop on Career Awareness programs at Eastern Oregon College, LaGrande

5. Continue development of coordinated career information collection and dissemination methods and systems

6. Attend Region X, USOE meeting of State career education research and exemplary project directors in Seattle

7. Participate in inservice programs and activities

PENNSYLVANIA

John W. Struck, State Director of Vocational Education

Ferman Moody, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Changes in Student Teachers' Classroom Verbal Behavior As A Result of Pupil Feedback"

2. "Simulated Office Evaluation"

3. "Developmental Research to Determine Employment Opportunities and Occupational Competencies Needed in Off-Farm Agricultural Occupations in Berks County"

4. "Determination of the Basic Mathematical Skills Needed for Secondary Vocational Education Students"

5. "The Design and Rationale of a Simulated Experience for Middle School Students in Exploratory Career Courses"

6. "An Administrative-Counselor Plan to Assess the Vocational Development of Rural Disadvantaged Eighth and Twelfth Grade Students in Relation to Vocational-Technical Education"

7. "Extension of Project No. 40001 to Review Shorthand Attrition Problem"

8. "A Comparison of Students' Reading Abilities, the Readability of Textbooks and Students' Attitudes Toward Textbooks in Seven Areas of Vocational Education in a Western Pennsylvania Area Vocational-Technical School"

9. "An Assessment of the Impact of Research and Related Projects on Educational Practices in Pennsylvania"

10. "A Developmental Teacher Workshop on Career Education on a K-12 Basis in Lancaster County"

11. "A Survey to Determine Job Opportunities and Requirements for Beginning Keypunch Operators"

12. "Curriculum Development and Revision in the Area of Remedial Mathematics for Vocational Students"

13 "A Project to Improve Career Education"

14. "Implementation of a Flexible Modular Scheduling Program: A School-Based Career Education Model"

15. "A Proposal to Develop a Comprehensive Career Education Model at the Junior High School Level"

RESEARCH RELATED ACTIVITIES:

1. Attended National RCU Directors' Conference

2. Completed arrangements for the dissemination unit of the Pennsylvania RCU (VEIN) to extend its services to include information services for the State of Delaware. This service has been initiated and the results thus far indicate satisfaction.

3. Participated in the preparation of the research, exemplary and manpower sections of the Pennsylvania State Plan for Vocational Education

4. Participated in the development of the recently funded Part C Career Education Project (Section 131-a)

PROJECTS AND ACTIVITIES PLANNED:

1. To review exemplary and research and related proposals submitted to the RCU and take appropriate action relative to funding

2. To monitor projects approved during the past and current fiscal year

3. To followup and assist with the dissemination of results of worthwhile research activities

4. To continue to keep abreast of developments in the follow-up phase of the Vocational Education Management Information System (VEMIS) and to apply such findings to research policy

5. To develop and implement a strategy for expanding career education model activities to a large number of school districts in the Commonwealth

6. To continue to cooperate with the Center for Vocational and Technical Education at the Ohio State University and Millersville State College to expand and evaluate the services and activities of VEIN

7. To continue to cooperate with the Division of Vocational Guidance in the development of PENNscripts and the operation of education resource centers

8. To continue to update and revise occupational projections by labor market area in cooperation with the Office of State Planning and Development and Department of Labor and Industry through utilization of the 1970 census data

9. To plan and initiate the development of guidelines for the implementation of the vocational-technical education program planning model in local schools

10. Continue publication of the quarterly newsletter "RCU Reporter" and to operate our information system (VEIN) to assist our dissemination and communication efforts with vocational educators in Pennsylvania and other RCU's in the United States

11. With the assistance of an outside firm, complete an assessment of the impact of previously funded research projects to determine the best use of funds

12. Publish a second edition of an RCU Handbook to assist prospective researchers with policies and procedures to follow through the development of the proposal to the writing of the final report

13. Publish a final report of RCU activities for the present fiscal year

RHODE ISLAND

Peter Bowen, Acting State Director of Vocational Education

Orrin LaFerte, RCU Director

NO REPORTS RECEIVED

SOUTH CAROLINA

Cecil H. Johnson, Jr., State Director of Vocational Education

Gary J. Lashway, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. Curriculum Guides Based on Behavioral Objectives:
   a. Graphic Communications
   b. Distributive Education
   c. Electricity
   d. Commerical Cooking
   e. Industrial Sewing

f. Electronics

g. Building Construction

h. Power Mechanics

i. Auto Body and Fender Repair

j. Air Conditioning, Refrigeration, and Heating

k. Welding

l. Disadvantaged and Handicapped

m. Building Construction Trades for Handicapped (EMR)

n. Area Vocational Center - Administration Policy and Procedures Manual

2. "Self-Instructional Sound Synchronized Slide Presentation"

3. Further funding of VIEW Projects

RESEARCH RELATED ACTIVITIES:

1. Conducted seven comprehensive school surveys

2. Administered various federal grants

3. Disseminated various reports

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of present activities

2. Job Placement Project

3. Adult Vocational Education Improvement Project

4. Guidance Counselor In-Service Project

5. Survey of State's Vocational Teachers and Students

6. Development of an RCU Operational Plan

SOUTH DAKOTA

E. B. Oleson, State Director of Vocational Education

E. B. Oleson, RCU Director

PROJECTS COMPLETED:

1. "Special Sampling Study Relative to Course Offering Reimbursement Practices"

2. "Research Related to Health Occupations"

3. "Determination of Manpower Needs, Job Opportunities and Vocational Education Planning"

NEW PROJECTS FUNDED:

1. "Feasibility Study of Multi-District"

2. "Vocational Education Concept tor Secondary School Districts in South Dakota"

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

TENNESSEE

W. M. Harrison, State Director of Vocational Education

Garry R. Bice, RCU Director

PROJECTS COMPLETED:

1. "The Development of a Directory of Public and Private Vocational-Technical Programs in the State of Tennessee"

2. Tennessee Cooperative Coordinator's Handbook - Bill Radcliff and Jimmie Thrash

3. " Individualized Instruction in Distributive Education"

4. "A Study of the Impact of Industrial Development on Education in Northwest Tennessee"

5. "Career Education and the School Counselor in Tennessee"

NEW PROJECTS FUNDED:

1. "Study of Salary Structure of Selected State Divisions of Vocational-Technical Education"

2. "Followup Study of Vocational Students at Smith County High School"

3. "Planning of Program and Facility Needs for Cocke County Schools"

4. "Build to Grow"

5. "A Followup Study to Measure the Effectiveness of an Adult Vocational Class for Electricians"

6. "Multi-Media Approach to Individualized Instruction in Automatic Transmission Diagnosis and Overhaul"

7. "Development of a Programmed Unit in Mail Service"

8. "Establishment of an Occupational and Volunteer Service Placement Office"

9. "A Followup Study of All Graduates Enrolled in Distributive Education"

10. "Pre-employment Laboratory Training in Occupational Child Care"

11. "Supplementing Instruction with Sound on Slide and Work Sheets"

12. "Followup of Vocational Graduates of Lake County High School and Survey of Job Placement"

13. "Drafting Skills and Related Knowledge Needed for Employment in Engineering and Architecture"

14. "Student Placement and Guidance"

15. "Career Information: An Experiment in the South Side Community, Memphis, Tennessee"

16. "A Study of the Vocational Needs of Greenfield High School"

17. "Incentive Program for Students in Vocational Agriculture"

18. "A Survey to Determine the Vocational Needs of the Community"

19. "Followup of Vocational Graduates of Haywood County Schools"

20. "Management Information System Evaluation Project"

RESEARCH RELATED ACTIVITIES:

1. Provided consultant services for various programs and institutions
2. Attended conferences and gave speeches and presentations
3. Located and disseminated materials and information
4. Assisted groups and individuals in using materials and library facilities
5. Discussed RCU services with teachers and administrators across the State
6. Participated in inservice training session at the Knoxville Area Vocational School
7. Article published by staff member: "Solving People Problems" by James Marsh, Tennessee Vocational Association VOICE, February, 1972

PROJECTS AND ACTIVITIES PLANNED: NONE

TEXAS

John R. Guemple, State Director of Vocational Education

Ray Barber, Director of Division of Occupational Research and Development

PROJECTS COMPLETED:

1. "A Project to Develop, Initiate, and Evaluate a Post-Secondary Program in Oceanic and Marine Technology"
2. "Urban Model - Industrial Careers Vestibule Program"
3. "Refinement and Further Development of the Architectural Technology Curriculum"
4. "A Project for Training School Personnel in the Use of Vocational Curricula and Group Guidance Techniques"
5. "Search for Common Teaching Skills and Knowledge in Occupational Education and Technology"
6. "Curriculum Development for Electronic Instrumentation"

7. "Analysis of a New Concept and Implementation in Cooperative Health Training"

8. "Measurement of Institutional Effectiveness in Vocational Education - An Exploratory Study"

9. "An Employment Analysis of Deaf Workers in Texas"

10. "Development of a Computer Graphics Curriculum for Post-Secondary Schools"

11. "High School Interest and Information Survey, Phase I"

12. "A Study to Identify Trends in Manpower Requirements for Printing Occupations in Newspaper Plants in Texas"

13. "Preliminary Planning for Career Education: A Cooperative Career Education Learning Systems Development and Dissemination Project"

14. "Planning a Pilot Study Involving Associate Degree Nursing Students in Family Health Maintenance Processes"

15. "Implementation of Career Education--A Workshop Drive-In Conference"

16. "Short-Term Study in Instructional Methodology for Community College Occupational Faculty: A Pilot Approach"

17. "Analysis of Fifteen Occupational Clusters Identified by United States Office of Education"

NEW PROJECTS FUNDED:

1. "Job Placement and Followup Research for Career Development"

2. "Analysis of Career Education Potential in the Austin Standard Metropolitan Statistical Area"

3. "Coordinated Effort for Career Education"

4. "Evaluation of Post-Secondary Vocational Training in the Texas Department of Corrections"

5. "Evaluation of Coordinated Vocational-Academic Education in Texas"

6. "Search for Effectiveness of the Occupational Orientation Programs in the State of Texas"

7. "Human Development for Career Students in the Community College: An Exploratory Study"

8. "A Study to Identify Trends in Manpower Requirements for Printing Occupations in Newspaper Plants in Texas"

9. "A Comparative Study of the Occupational Achievement of Vocational and Non-Vocational High School Graduates in Texas"

10. "A Study of Construction Technology Curriculums and Construction Industry Needs with a Suggested Approach to Curriculum Development in Building Technology Training in Texas Community Colleges"

11. "The Development of Behavioral Objectives and Instructional Units in Selected Occupational/Technical Courses - A Pilot Project"

12. "An Investigation of Vocational Counselor Effectiveness and Its Relationship to Selected Background and Personal Characteristics"

13. "A Study of Manpower Training Requirements for the Texas Agricultural Industry"

14. "Preliminary Planning for Career Education: A Cooperative Career Education Learning Systems Development and Dissemination Project"

15. "Planning a Pilot Study Involving A. D. Nursing Students in Family Health Maintenance Processes"

16. "Regional Development and Coordination of Allied Health Manpower Education in the Community College"

17. "Implementation of Career Education - A Workshop Drive-In Conference"

18. "Short-Term Study in Instructional Methodology for Community College Occupational Faculty: A Pilot Program"

19. "Upgrade Teacher Competencies in the Use of Career Education Materials"

20. "Analysis of Fifteen Occupational Clusters Identified by the United States Office of Education"

21. "Coordinated Effort for Career Education (Computer Assisted Guidance Component)"

22. "Internship Instruction Training Program for Occupational and Technical Subjects"

23. "Teacher Training Program for Distributive Education"

24. "Development of a Career Education Curriculum for Deaf Students at the Texas School for the Deaf"

RESEARCH RELATED ACTIVITIES:

1. Reviewed and approved research proposals

2. Participated in the coordination of exemplary projects and pilot demonstration projects in occupational education for handicapped students

3. Participated in development, initiation, and continuation of three career education projects

4. Assistant Director is working with an interagency task force to develop a conceptual scheme for a comprehensive manpower supply-demand data system for Texas

5. Prepared the Texas State Plan for Vocational Education for Fiscal Year 1973

6. Revised guidelines for the development of research proposals

7. Prepared to collect, synthesize, and analyze data to be included in the Annual Vocational Education Report for Fiscal Year 1972

PROJECTS AND ACTIVITIES PLANNED:

1. Continue present projects

2. Continue participation in interagency task force to develop a manpower supply and demand system for Texas

3. Develop Annual Report for Vocational Education for Fiscal Year 1972

UTAH

Walter E. Ulrich, State Director of Vocational Education

N. Craig Kennington, RCU Director

PROJECT COMPLETED:

1. "Reproduction of VIEW Materials"
2. "Articulated Curriculum Evaluation in Auto Mechanics"
3. "Articulated Curriculum Evaluation in Electronics"
4. "Study of Distribution of Off-Farm Agricultural Jobs"
5. "Industrial Visitation Sites Study"
6. "Evaluation of Project SUCCESS"
7. "Evaluation of Mobile Power Sewing Training Program"
8. "Evaluation of Achievements Against FY 71 State Plan for Vocational Education"
9. "Development of a Formula for Distribution of Federal Teacher Inservice Training Funds"
10. "Study to Determine Desirability of Initiating New Food Services Training Program (Post Secondary)"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Evaluation and Attendance: Utah State Vocational Education Conference, June 5-9, 1972
2. Attended National RCU Directors Meeting, New Orleans, Louisiana, March 21-23, 1972

PROJECTS AND ACTIVITIES PLANNED: NONE

VERMONT

Cola D. Watson, State Director of Vocational Education

Joseph P. Kisko, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Development of a program that will bring together all education programs in a county serving rural areas"

2. "Research and Development Project in Career Education"

RESEARCH RELATED ACTIVITIES:

1. Continuation of projects

2. Disseminated final report - "A Model for Collecting and Analyzing Followup Data on Graduates and Dropouts of Vocational Education in Vermont"

3. Requesting proposals for new projects

PROJECTS AND ACTIVITIES PLANNED:

1. Continue all projects

2. Plan new projects

VIRGINIA

George L. Sandvig, State Director of Vocational Education

Carl E. Jorgensen, RCU Director

PROJECTS COMPLETED:

1. "Testing of a Model for Evaluation of Secondary School Programs of Vocational Education in Agriculture, Phase II"

2. Research and Development a Master Plan for the Identification and Accomodation of Disadvantaged and Handicapped Students in Virginia Community Colleges"

NEW PROJECTS FUNDED:

1. "Followup Study of Former Occupational Technical Students in Virginia Community Colleges"

2. "Insulation Against Future Job Market Shock"

RESEARCH RELATED ACTIVITIES:

1. Received continuation applications to continue several research projects

2. Received an evaluation of the "Testing of a Model for Evaluation of Secondary School Programs of Vocational Education in Agriculture"

3. Met with project director and staff of an evaluation system research project

PROJECTS AND ACTIVITIES PLANNED:

1. Approving applications for research projects to be funded this Fiscal Year

2. An evaluation system for vocational education (continuation project)

WASHINGTON

Arthur A. Binnie, State Director of Vocational Education

George P. Pilant, RCU Director

NO REPORTS RECEIVED

WEST VIRGINIA

Fred W. Eberle, State Director of Vocational Education

Glenn E. Smith, RCU Director

PROJECTS COMPLETED:

1. "Vocational Interest Survey of Taylor County"

2. "A Demonstration of Reality Training Through Simulation in Clerical Office Practice"

3. "Home Nursing Aide Training for the High School Senior Girl"

4. "Providing a Cluster of High School Wage Earning Courses with the Aid of a Practice House"

5. "Mine-Maintenance Manual"

NEW PROJECTS FUNDED:

1. "Identification of Educational and Training Needs of Unemployed Young Adults in Summers County"

2. "Analysis of Wood County, West Virginia Vocational Education Programs"

3. "Feasibility Study for Vocational Technical Needs in Ohio County"

4. "Child Development Curriculum " (Continuation)

5. "The Systems Approach: An Emerging Behavioral Model for Career Guidance: Operation Guidance II" (Continuation)

RESEARCH RELATED ACTIVITIES:

1. Implemented field test of State Comprehensive Data System for Vocational Education (CDS-VE)

2. Monitored approved research and exemplary project grant awards

3. Collected data for incorporation into State Annual and Long Range Plan for Vocational Education

4. Operated Educational Information Service Center

5. Implementation of State Career Education R&D Project

6. Conducted 13 site visits to research and exemplary projects throughout the State for which monitoring responsibility is assigned

7. Served as member of site evaluation team on a Title III ESEA, Career Education planning project

8. Served as a member of the state plan development committee

9. Attended a meeting of the southwide Research Coordinating Council for Occupational Education

10. Negotiated budgets and prepared grant award documents for research and exemplary project continuation grants

11. Disseminated materials and publications

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation funding of approved projects in curriculum development and guidance
2. Continued development and implementation of a management information system for vocational education
3. Monitoring of approved research projects
4. Dissemination of information through publications and providing user information service

WISCONSIN

Eugene Lehrmann, State Director of Vocational Education

Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. "Evaluation of Existing Classroom and Laboratory Capacity"
2. "Ascertaining English Competencies Required of Secretaries in Various Fields with Recommendations for Development of Common Core Curriculum"
3. "Student Profiles 1971-1972"
4. "Five-Year Graduate Followup Study of 1966 Graduates"
5. "Three-Year 1968 Graduate Followup Study"
6. "Six-Month Graduate Followup Study"
7. "Graduates Evaluation of Social Science Courses"
8. "Staff Evaluation of Administrative Structure"
9. "Use of ERIC System"
10. "Characteristics of First-year Male Students in Vocational Diploma and Associate Degree Programs"
11. "Dental Assisting Behavioral Objective Analysis"
12. "Organizational Evaluation of Vocational, Technical, and Adult Education, District 13"

13. "Programmed Learning Package"

14. "Revision of Seven Course Units"

15. "Task Analysis of Farm Machinery Partsman"

16. "Farm Machinery Parts Manager's Work Book"

17. "Home Economist Assistant Study"

18. "A Study of Values, Occupational Interests and Abilities of Grade 12 Students"

19. "UNIPAC-Case of Pronouns Individualized Instruction"

20. "Individualized Instruction in Punctuation, Use of Numbers and Word Division"

21. "APV - A Proposed Research Design Model for Predicting Early Student Withdrawal from District 15"

22. "Student Activities Survey"

23. "Police Science Program Proposal"

24. "Medical Secretarial Program Proposal"

25. "Production Argiculture Program Proposal"

26. "Food Preparation Assistant Program Proposal"

27. "Slide Series on Electric Motors; Video Tape on Electric Motors"

28. "Student Housing Survey"

NEW PROJECTS FUNDED:

1. "Effect of Visual Aids in Teaching Manufactoring Processes"

2. "Development of a Design for Effective Use of Advisory Committees"

3. "Northwestern Wisconsin Recreation Survey for Vocational Program Development"

4. "Professional Development of Electronics and Electricity Educators"

5. "Career Education Provided by Business and Industry in the Milwaukee Area"

RESEARCH RELATED ACTIVITIES:

1. Assisted researchers, educational agencies, students and other persons in finding materials and developing proposals and studies
2. Disseminated materials and information through ERIC system and regular reports
3. Conducted research practices seminars
4. Maintained liaison with Wisconsin State Employment Service regarding employment, opportunities, emerging occupations, and job projections

PROJECTS AND ACTIVITIES PLANNED:

1. Slide-tape series - "Management Quest"
2. Individualized Instruction - Unipac on "Combinations"
3. Develop a slide series on Foundry
4. More individualized instruction UNIPACS
5. Total T&I public relations campaign
5. Self-concept -- a pilot study

WYOMING

Fred P. Black, State Director of Vocational Education

Fred P. Black, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Vocational Building and Shop Facilities for a Rural School"

RESEARCH RELATED ACTIVITIES:

1. Assisted in 5 EPDA Subproject workshops
2. Assisted in State Plan Development

3. Assisted in Region VIII Exemplary Project Directors Conference

4. Assisted in EPDA sub proposal development

5. Assisted in State-wide Educational Needs Assessment

6. Assisted in development of Guidelines for Expenditures of Federal Occupational Education Monies

PROJECTS AND ACTIVITIES PLANNED:

1. Implement State-wide agri-business occupation survey

2. Develop Gainful Home Economics curriculum

3. Assist Departmental management information effort for pupil and program accounting

4. Assist in FY '73 Occupational Proposal review and evaluation

5. Career education curriculum development